Technical Data Sheet

InVivoMAb anti-human NKG2D (CD314)

Attention: Use of this product constitutes an agreement to Bio X Cell's Terms and Conditions which are included with this product in print and can also be found at https://bioxcell.com/terms-and-conditions.

Lot Specific Information

Lot Number: **Lot Specific***
Volume: **Lot Specific***
Concentration: **Lot Specific* (generally 4 to 11 mg/ml) ***
Total Protein: **Lot Specific***

*This information will be noted on the certificate of analysis that ships with this product.

Product Information

Catalog Number:	**BE0351**
Clone:	**1D11**
Isotype:	Mouse IgG1, κ
Recommended Isotype Control(s):	InVivoMAb mouse IgG1 isotype control, unknown specificity
Recommended Dilution Buffer:	InVivoPure pH 7.0 Dilution Buffer
Immunogen:	Human NKL cells
Reported Applications:	*in vitro* NKG2D blocking Immunoprecipitation Flow cytometry
Formulation:	PBS, pH 7.0 Contains no stabilizers or preservatives
Endotoxin:	≤1EU/mg (≤0.001EU/μg) Determined by LAL gel clotting assay
Purity:	≥95% Determined by SDS-PAGE
Sterility:	0.2 μm filtration
Production:	Purified from cell culture supernatant in an animal-free facility
Purification:	Protein G
RRID:	AB_2894770
Molecular Weight:	150 kDa

Description

The 1D11 monoclonal antibody reacts with human NKG2D, a type II transmembrane lectin-like glycoprotein also known as CD314. NKG2D is expressed on NK cells, NKT cells, CD8 T cells, γ/δ T cells, and macrophages. NKG2D has been implicated in anti-tumor surveillance, the immune response against viral infection, and in diabetes progression in NOD mice. Previous studies have shown that 1D11 can block the binding of NKG2D to its ligands or stimulate the function of NKG2D-positive cells.

Storage

Store at the stock concentration at 4°C . **Do not freeze.**
It is not uncommon for a floccule or precipitate to appear during storage. The floccule is typically buffer salts precipitating out of solution or a small bit of protein aggregation. For information on how to remove floccules or precipitates see our FAQ's at https://bioxcell.com/faqs.

Protocol Information

Since applications vary, each investigator should use the application references as a guide to help estimate the appropriate dose or concentration. The dose or concentration can be further optimized experimentally in a dose response or titration experiment.

Application References

For a complete list of references, visit https://bioxcell.com/be0351?bxcs=9k1b3a#tab_references or scan the QR code below.

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